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(71) Applicant (for all designated States except US): **ZEN-
TIVA, a. s.** [CZ/CZ]; U kabelovny 130, Dolni Mecholupy,
102 37 Praha 10 (CZ).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SEBEK, Pavel**
[CZ/CZ]; Radcina 2/521, 161 00 Praha 6 (CZ). **RADL,**
Stanislav [CZ/CZ]; Pertoldova 3380, 143 00 Praha 2 (CZ).
STACH, Jan [CZ/CZ]; Slitrova 2006, 190 00 Praha 9 -
Ujezd nad Lesy (CZ).

(74) Agents: **JIROTKOVA, Ivana** et al.; Rott, Ruzicka &
Guttmann, Patent & Trademark & Law Office, Nad Stolou
12, 170 00 Praha 7 (CZ).

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(54) Title: TITLE OF INVENTION: A METHOD OF PREPARATION OF THE HEMI-CALCIUM SALT OF (E)-7-[4-(4-
FLUOROPHENYL)-6-ISOPROPYL-2- [METHYL(METHYLSULFONYL)AMINOLPYRIMIDIN-5-YL]](3R,5S)-3,5-
DIHYDROXY-6-HEPTENOIC ACID

(57) Abstract: A method of preparation of the hemi-calcium salt of rosuvastatin of formula (I) consists in extracting an aque-
ous solution of the sodium or potassium salt of (E)-7-[4-(4-fluorophenyl)-6-isopropyl-2- [methyl(methylsulfonyl)amino]pyrimidin-5-
yl]](3R,5S)-3,5-dihydroxy-6-heptenoic acid, with optional admixture of sodium or potassium hydroxide or other sodium or potas-
sium salts having inorganic anions, with an organic solvent, incompletely miscible with water, selected from the series of R¹COOR²,
R¹COR² and R¹OH, wherein R¹ and R² independently represent hydrogen or a residue of a C₁-C₁₀ aliphatic hydrocarbon, C₆ aro-
matic hydrocarbon, C₅ or C₆ cyclic hydrocarbon, or a combination of an aliphatic and aromatic or cyclic hydrocarbon, the extract
being subsequently shaken with an aqueous solution of an inorganic or C₁-C₅ organic calcium salt, and the product of formula I is
further isolated by cooling and/or adding an anti-solvent and filtration, and optionally, is converted into its amorphous form.



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